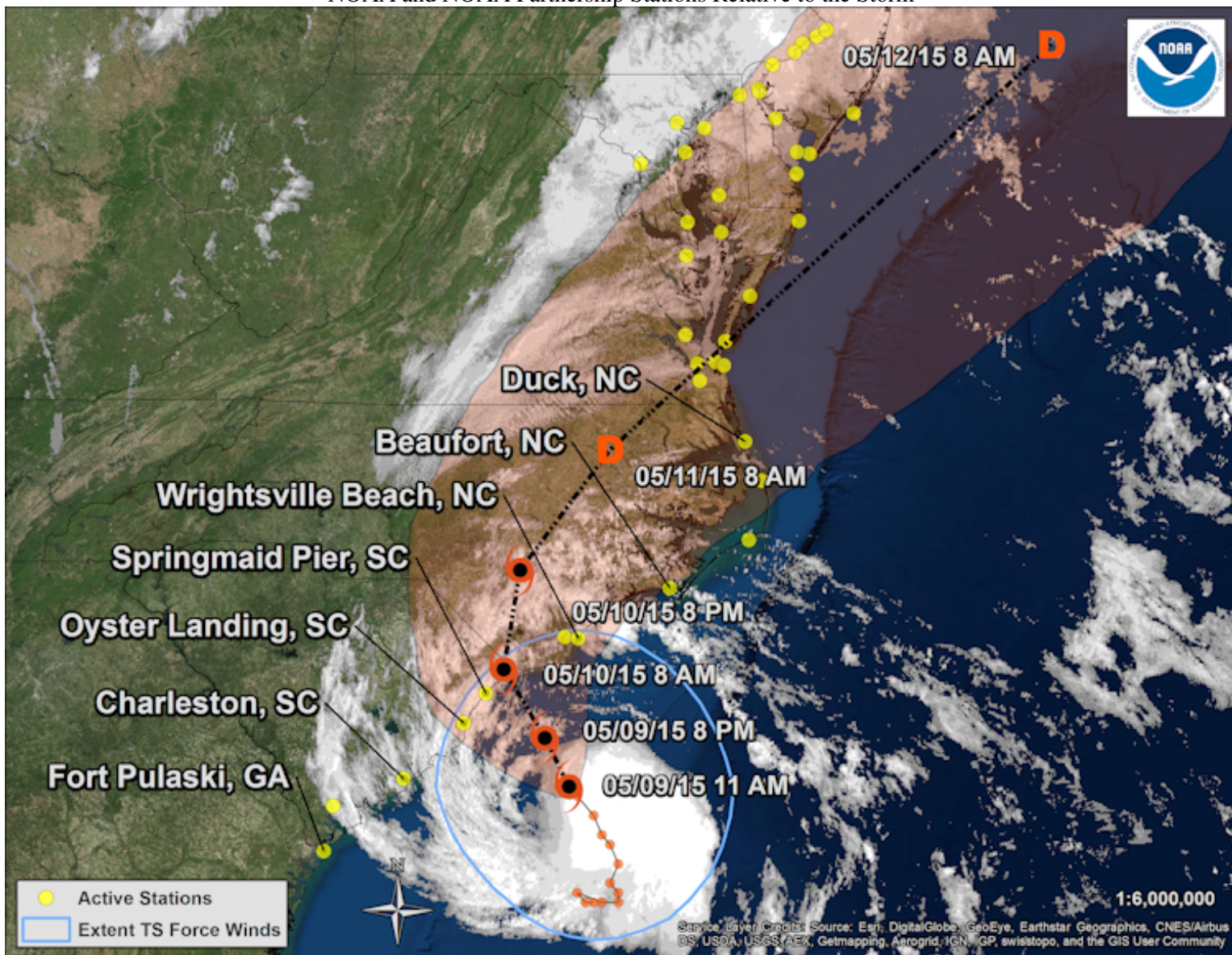




Tropical Storm ANA QuickLook
Posted: 12:00 EDT 05/09/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/09/2015 12:00 EDT water levels from the Georgia coast to the central coast of North Carolina are slightly elevated and generally range between 0.5 to 1.5 feet above tidal predictions. Wind speeds along the North and South Carolina coast range from 10 to 20 knots with a few gusts over 30 knots. Barometric pressure has leveled out across the region.

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/09/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLookHomepage.

Analyst: CRD

TROPICAL STORM ANA ADVISORY # 7

NWS NATIONAL HURRICANE CENTER MIAMI FL 1100 AM EDT SAT MAY 09 2015

...TROPICAL STORM CONDITIONS EXPECTED TO REACH PORTIONS OF THE COASTS OF NORTH AND SOUTH CAROLINA LATER TODAY....

LOCATION...32.7N 77.9W
ABOUT 105 MI S OF WILMINGTON NORTH CAROLINA
MAXIMUM SUSTAINED WINDS...60 MPH
PRESENT MOVEMENT...NW OR 320 DEGREES AT 3 MPH
MINIMUM CENTRAL PRESSURE...1001 MB

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:
None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* South Santee River South Carolina to Cape Lookout

A Tropical Storm Watch is in effect for...
* Edisto Beach South Carolina to South of South Santee River

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, in this case within
12-24 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within
12-24 hours.

Interests elsewhere in eastern North Carolina and Virginia should monitor the progress of Ana.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your
local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT, the center of Tropical Storm Ana was located near latitude 32.7 North, longitude 77.9 West. Ana is moving toward the northwest near 3 mph (6 km/h). A turn toward the north and north-northeast with a gradual increase in forward speed is expected over the next 48 hours. On the forecast track, the center will be very near the coasts of South and North Carolina by Sunday morning.

Maximum sustained winds are near 60 mph with higher gusts. Gradual weakening is forecast as Ana moves over cooler waters close to the coastline.

Tropical storm force winds extend outward up to 125 miles from the center.

An Air Force Reserve Unit Hurricane Hunter aircraft reported a minimum central pressure of 1001 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning area, and are possible within the watch area, by this afternoon or evening.

STORM SURGE: The combination of storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters. The water could reach 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Ana is expected to produce rainfall accumulations of 1 to 3 inches, with isolated amounts of 5 inches, over eastern portions of North Carolina and South Carolina through Monday.

SURF: Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.
Next complete advisory at 500 PM EDT.

Forecaster Pasch

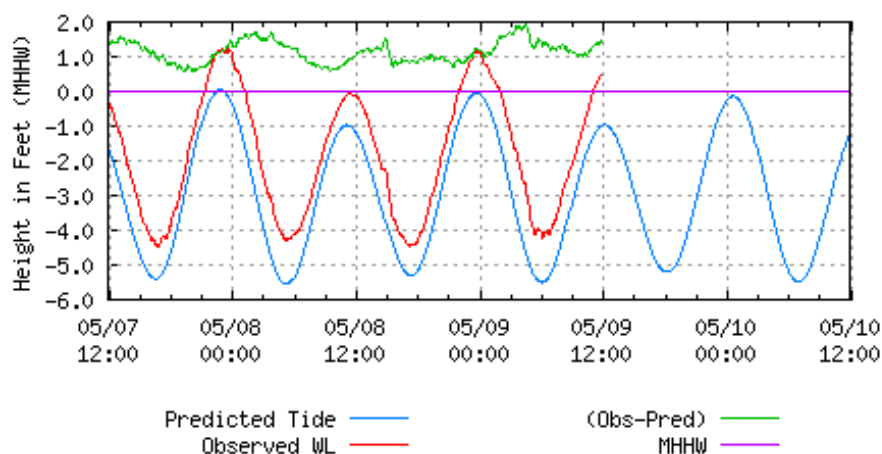
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Duck - Water Level](#), [Duck - Winds](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#)

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/09/2015

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/09/2015 11:48 (EDT). Data relative to MHHW

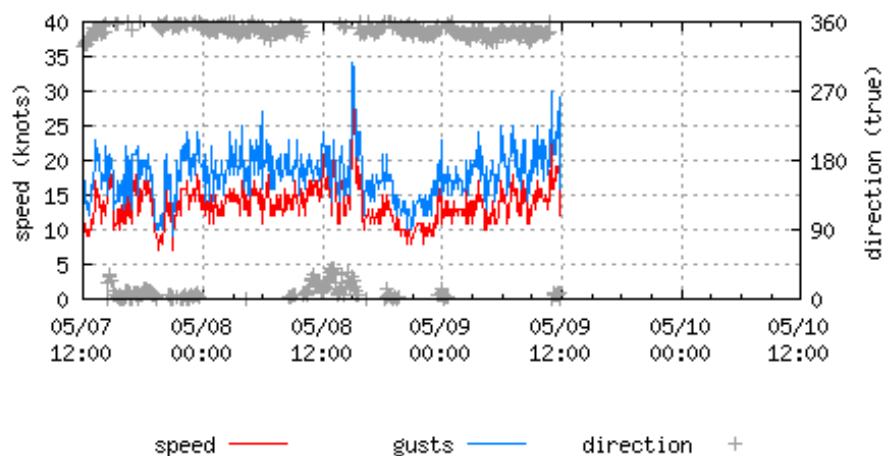
Observed: 0.46 ft. Predicted: -0.98 ft. Residual: 1.44 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/09/2015 12:04 (EDT), -0.97 ft.

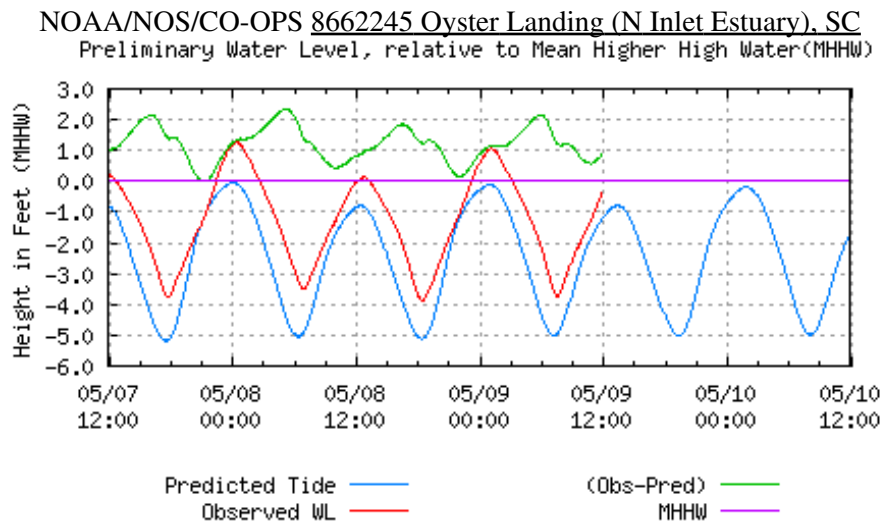
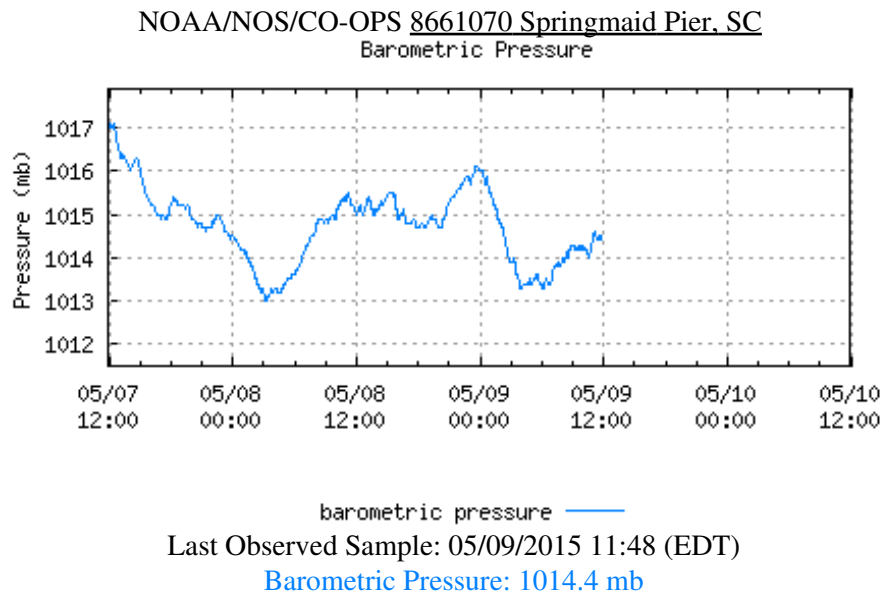
NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction



Last Observed Sample: 05/09/2015 11:48 (EDT)

Wind Speed: 12 knots Gusts: 16 knots Direction: 0° T

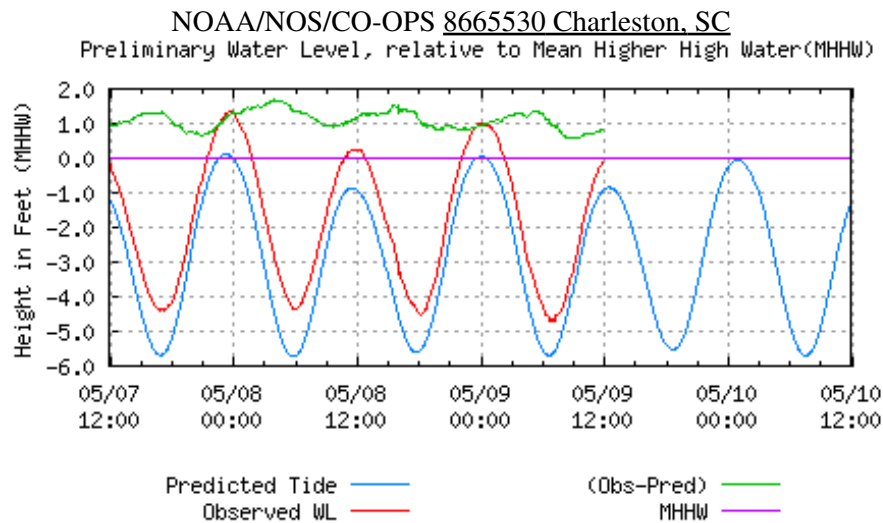


Last Observed Sample: 05/09/2015 11:48 (EDT). Data relative to MHHW

Observed: -0.40 ft. Predicted: -1.25 ft. Residual: 0.85 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 05/09/2015 13:22 (EDT), -0.79 ft.

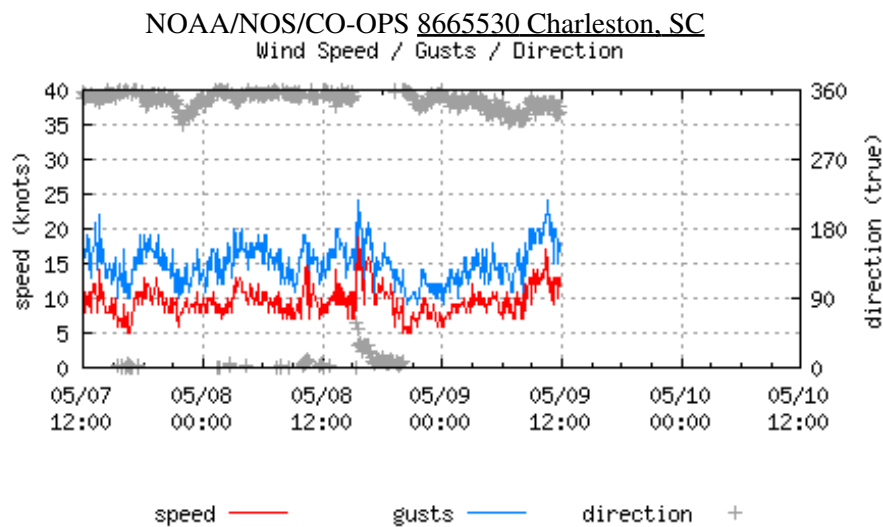


Last Observed Sample: 05/09/2015 11:54 (EDT). Data relative to MHHW

Observed: -0.11 ft. Predicted: -0.93 ft. Residual: 0.82 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

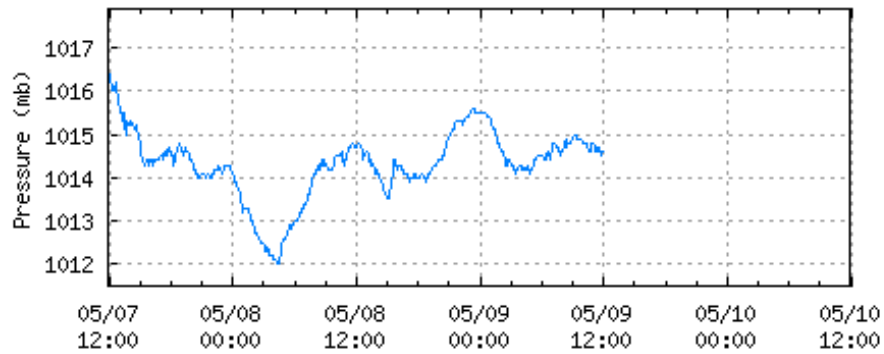
Next High Tide: 05/09/2015 12:24 (EDT), -0.85 ft.



Last Observed Sample: 05/09/2015 11:54 (EDT)

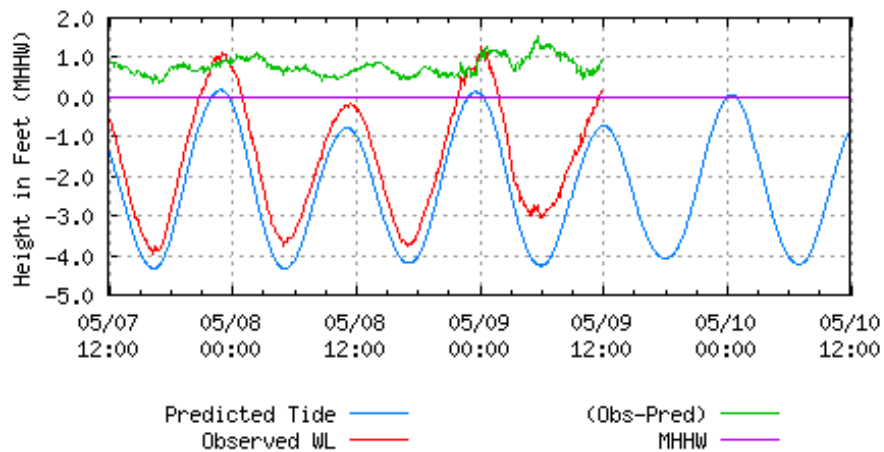
Wind Speed: 12 knots Gusts: 18 knots Direction: 338° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/09/2015 11:54 (EDT)
Barometric Pressure: 1014.6 mb

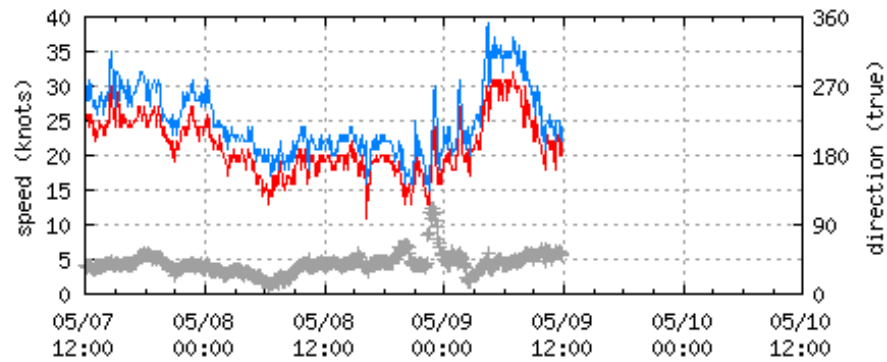
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/09/2015 11:48 (EDT). Data relative to MHHW
Observed: 0.16 ft. Predicted: -0.74 ft. Residual: 0.90 ft.
Historical Maximum Water Level: Sep 25 2008, 2.81 ft.
Next High Tide: 05/09/2015 12:00 (EDT), -0.73 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Wind Speed / Gusts / Direction



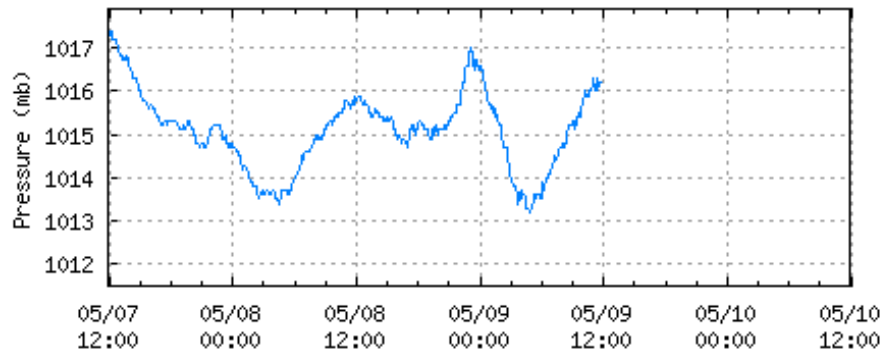
speed — gusts — direction +

Last Observed Sample: 05/09/2015 11:48 (EDT)

Wind Speed: 22 knots Gusts: 24 knots Direction: 51° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

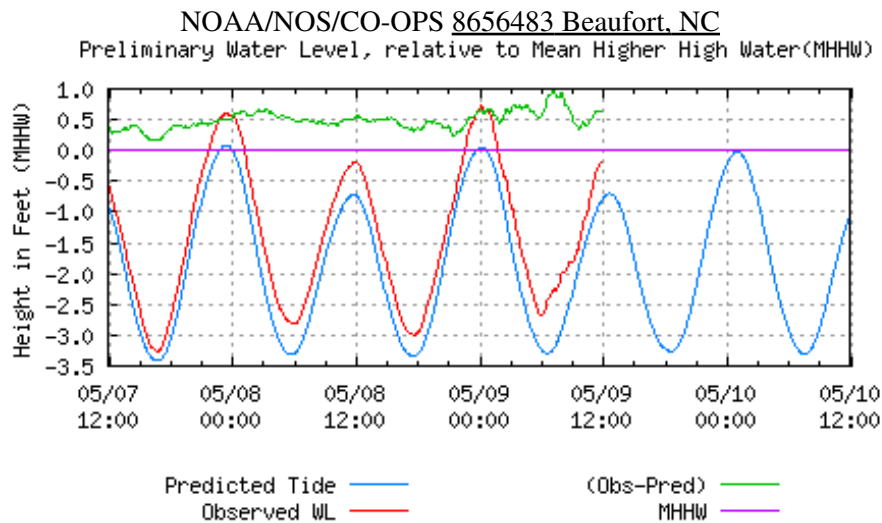
Barometric Pressure



barometric pressure —

Last Observed Sample: 05/09/2015 11:48 (EDT)

Barometric Pressure: 1016.2 mb

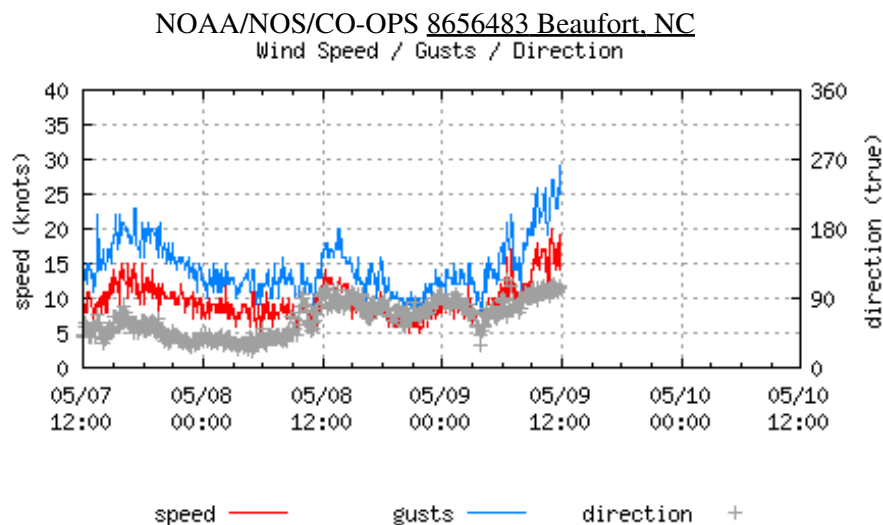


Last Observed Sample: 05/09/2015 11:48 (EDT). Data relative to MHHW

Observed: -0.18 ft. Predicted: -0.81 ft. Residual: 0.63 ft.

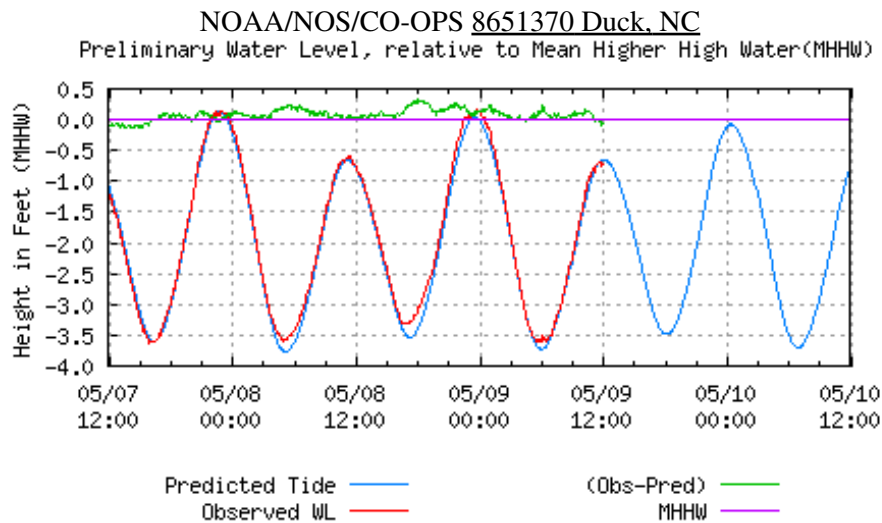
Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 05/09/2015 12:35 (EDT), -0.70 ft.



Last Observed Sample: 05/09/2015 11:48 (EDT)

Wind Speed: 14 knots Gusts: 25 knots Direction: 107° T

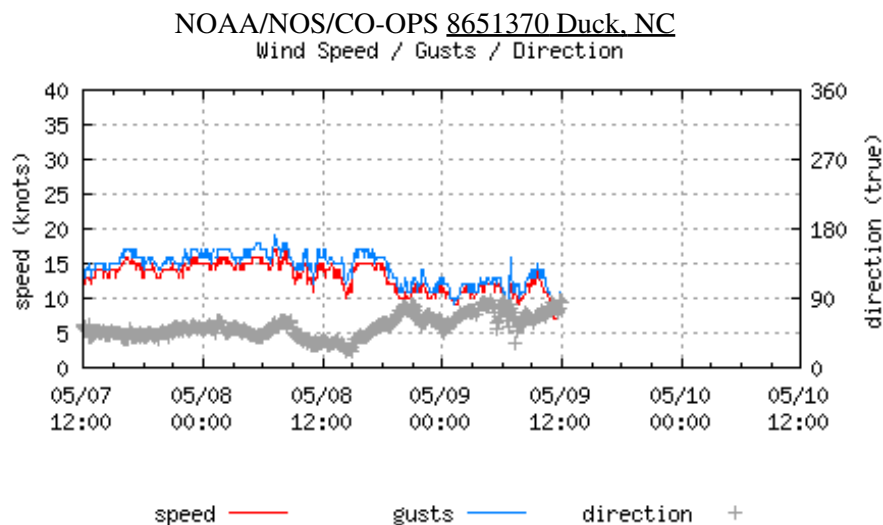


Last Observed Sample: 05/09/2015 11:54 (EDT). Data relative to MHHW

Observed: -0.72 ft. Predicted: -0.65 ft. Residual: -0.07 ft.

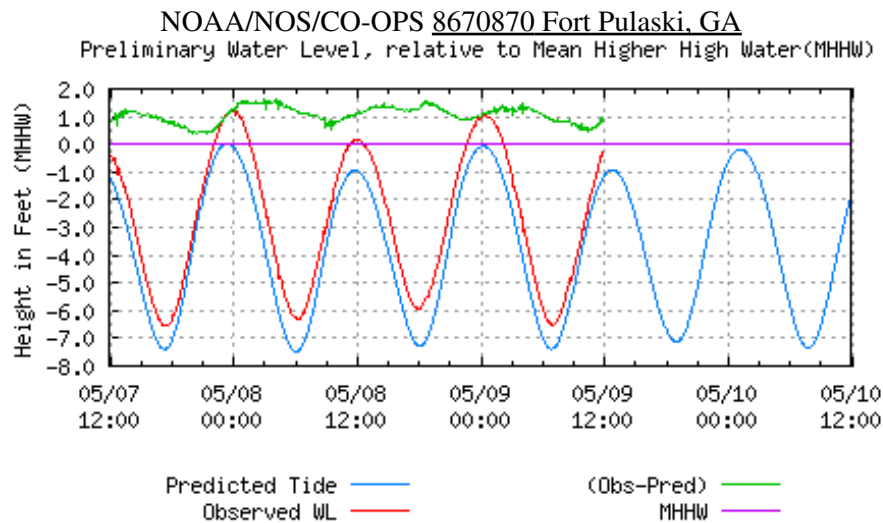
Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 05/09/2015 12:00 (EDT), -0.64 ft.



Last Observed Sample: 05/09/2015 11:54 (EDT)

Wind Speed: 10 knots Gusts: 10 knots Direction: 84° T

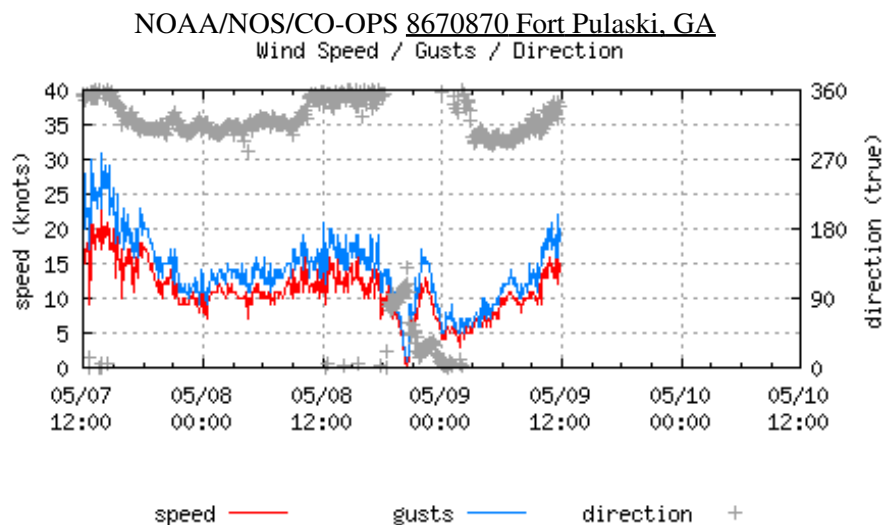


Last Observed Sample: 05/09/2015 11:48 (EDT). Data relative to MHHW

Observed: -0.40 ft. Predicted: -1.21 ft. Residual: 0.81 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/09/2015 12:43 (EDT), -0.91 ft.



Last Observed Sample: 05/09/2015 11:48 (EDT)

Wind Speed: 15 knots Gusts: 19 knots Direction: 340° T

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/09/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8661070	Springmaid Pier, SC	05/09/2015 11:48 (EDT)	0.46 ft	-0.98 ft	1.44 ft	1.17 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/09/2015 11:48 (EDT)	-0.40 ft	-1.25 ft	0.85 ft	1.05 ft
8665530	Charleston, SC	05/09/2015 11:54 (EDT)	-0.11 ft	-0.93 ft	0.82 ft	1.01 ft
8658163	Wrightsville Beach, NC	05/09/2015 11:48 (EDT)	0.16 ft	-0.74 ft	0.90 ft	1.26 ft
8656483	Beaufort, NC	05/09/2015 11:48 (EDT)	-0.18 ft	-0.81 ft	0.63 ft	0.72 ft
8651370	Duck, NC	05/09/2015 11:54 (EDT)	-0.72 ft	-0.65 ft	-0.07 ft	0.16 ft
8670870	Fort Pulaski, GA	05/09/2015 11:48 (EDT)	-0.40 ft	-1.21 ft	0.81 ft	1.03 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce